

IN THE CLAIMS:

Please amend Claims 1, 11, and 21.

What is claimed is:

- 1 1. (Currently Amended) In a cotton harvester having a basket including an interior
2 for receiving and holding cotton harvested by the harvester and apparatus for compacting
3 the harvested cotton into a compacted body, the basket including an open side connecting
4 with the interior and a door having a proximal end connected adjacent to a floor of the
5 basket for pivotal movement between a closed position in closing relation to the open
6 side and an open position extending sidewardly from the floor in generally parallel
7 relation thereto, the door having a distal end opposite the proximal end and a cotton
8 conveying surface which faces the interior when the door is in the closed position and
9 which faces upwardly when the door is in the open position, the cotton conveying surface
10 including elements movable for conveying the compacted cotton from the interior
11 sidewardly to the distal end of the door, the improvement comprising:
12 a door extension supported adjacent to the distal end of the door for pivotal
13 movement between a stored position in overlaying relation to the distal end of the door
14 such that the extension is positioned within the interior of the basket, and a deployed
15 position extending sidewardly therefrom, the door extension including a free end which
16 when the door is open and the extension is in the deployed position is spaced sidewardly
17 and a predetermined distance below the distal end of the door, the door extension
18 including an upper surface which extends from the distal end of the door to the free end
19 and over which the cotton will be conveyed sidewardly and downwardly from the door,

20 at least the free end of the extension being located at an elevation sufficiently lower than
21 an adjacent end of the conveying surface of the door when the door is in the open
22 position and the extension is in the deployed position such that a portion of a compacted
23 body of cotton supported on the extension will be oriented and be to extend in a
24 downward direction relative to a portion of the compacted body supported on the door.

1 2. (Original) In the cotton harvester of claim 1, the improvement further comprising
2 the upper surface of the door extension extending downwardly from the distal end of the
3 door to the free end of the extension when the door is in the open position and the
4 extension is in the deployed position.

1 3. (Original) In the cotton harvester of claim 2, the improvement comprising the
2 upper surface of the extension extending downwardly from the distal end of the door at
3 between about a 5 degree and a 15 degree angle to the cotton conveying surface of the
4 door.

1 4. (Original) In the cotton harvester of claim 2, the upper surface of the extension
2 including a plurality of elongate rollers rotatable in the downward direction for conveying
3 cotton thereover downwardly toward the free end.

1 5. (Original) In the cotton harvester of claim 1, the improvement further comprising
2 substantially the entire upper surface of the door extension when in the deployed position
3 being generally located a predetermined distance below the cotton conveying surface of
4 the door.

1 6. (Original) In the cotton harvester of claim 5, the upper surface of the door

2 extension comprising a movable belt.

1 7. (Original) In the cotton harvester of claim 6, the improvement further comprising
2 a drive for rotating the movable belt.

1 8. (Original) In the cotton harvester of claim 7, the improvement further comprising
2 the drive being operable for moving the movable belt at variable speeds.

1 9. (Original) In the cotton harvester of claim 6, the improvement further comprising
2 the drive being operable for moving the belt at a speed greater than a speed of the moving
3 elements on the door.

1 10. (Original) In the cotton harvester of claim 1, the improvement further comprising
2 a plurality of L shape members supporting the extension for the pivotal movement
3 between the stored position and the deployed position and for holding the extension in the
4 deployed position as the door is moved between the folded and open positions.

1 11. (Currently Amended) An extension on an unloader door of a cotton receiving
2 basket of a cotton harvester, the door being pivotable between a closed position in
3 covering relation to an open side of the basket and an open position extending sidewardly
4 from the basket, the door including a cotton conveying surface which when the door is in
5 the open position faces upwardly in at least generally parallel relation to a floor of an
6 interior of the basket and extends sidewardly from the floor to a distal end of the door
7 opposite the basket, the extension comprising:

8 a frame pivotally connected to the distal end of the door for pivotal movement
9 relative thereto between a stored position in overlaying relation to the cotton conveying

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10 surface such that the extension is positioned within the interior of the basket and a
11 deployed position extending sidewardly from the distal end of the door ~~therefrom~~ when
12 the door is in the open position and upwardly from the distal end of the door ~~therefrom~~
13 when the door is in the closed position, and an upper surface extending from the distal
14 end of the door to a free end of the frame opposite the distal end, the free end being
15 located a distance sufficiently below the distal end when the door is in the open position
16 and the frame is in the deployed position such that cotton conveyed over the upper
17 surface will be directed downwardly thereby over the free end.

1 12. (Original) The extension of claim 11, further comprising the upper surface of the
2 extension extending downwardly from the distal end of the door to the free end of the
3 extension when the door is in the open position and the extension is in the deployed
4 position.

1 13. (Original) The extension of claim 12, further comprising the upper surface of the
2 extension extending downwardly from the distal end of the door at between about a 5
3 degree and a 15 degree angle to the cotton conveying surface of the door when the door is
4 in the open position and the extension is in the deployed position.

1 14. (Original) The extension of claim 12, wherein the upper surface of the extension
2 includes a plurality of elongate rollers rotatable in the downward direction for conveying
3 cotton thereover downwardly toward the free end.

1 15. (Original) The extension of claim 11, further comprising substantially the entire
2 upper surface of the extension when in the deployed position being generally located a
3 predetermined distance below the cotton conveying surface of the door.

1 16. (Original) The extension of claim 15, wherein the upper surface of the extension
2 comprises a movable belt.

1 17. (Original) The extension of claim 16, further comprising a drive for rotating the
2 movable belt.

1 18. (Original) The extension of claim 17, further comprising the drive being operable
2 for moving the movable belt at variable speeds.

1 19. (Original) The extension of claim 16, wherein the cotton conveying surface of the
2 door includes movable elements drivable at a speed for conveying the cotton thereover
3 and the drive is operable for moving the belt at a speed greater than the speed of the
4 moving elements on the door.

1 20. (Original) The extension of claim 11, wherein the frame comprises a plurality of
2 L shape members supporting the extension for the pivotal movement between the stored
3 position and the deployed position and for holding the extension in the deployed position
4 as the door is moved between the folded and open positions.

1 21. (Currently Amended) An unloader door arrangement for a cotton receiving
2 basket of a cotton harvester, comprising:
3 an unloader door including a proximal end mounted to the basket for pivotal
4 movement of the door between a closed position in partial covering relation to an open
5 side of the basket and an open position extending sidewardly from the basket, a distal end
6 opposite the proximal end and a cotton conveying surface extending between the
7 proximal and distal ends, the cotton conveying surface being oriented so as to face

8 upwardly and being positioned so as to be at least generally parallel to a floor of an
9 interior of the basket and extending sidewardly from the floor when the door is in the
10 open position; and
11 an extension connected to the distal end of the door for pivotal movement relative
12 thereto between a stored position in overlaying relation to the cotton conveying surface
13 such that the extension is positioned within the interior of the basket, and a deployed
14 position extending sidewardly therefrom when the door is in the open position and
15 upwardly therefrom when the door is in the closed position so as to cover a portion of the
16 open side of the basket, the extension including an upper surface extending from the
17 distal end of the door to a free end, the free end being located a distance sufficiently
18 below the distal end when the door is in the open position and the extension is in the
19 deployed position such that cotton conveyed over the upper surface will be moved
20 downwardly toward the free end.

1 22. (Original) The unloader door arrangement of claim 21, further comprising the
2 upper surface of the extension extending downwardly from the distal end of the door to
3 the free end of the extension when the door is in the open position and the extension is in
4 the deployed position.

1 23. (Original) The unloader door arrangement of claim 22, further comprising the
2 upper surface of the extension extending downwardly from the distal end of the door at
3 between about a 5 degree and a 15 degree angle to the cotton conveying surface of the
4 door when the door is in the open position and the extension is in the deployed position.

1 24. (Original) The unloader door arrangement of claim 22, wherein the upper

2 surface of the extension includes a plurality of elongate rollers rotatable in the downward
3 direction for conveying cotton thereover downwardly toward the free end.

1 25. (Original) The unloader door arrangement of claim 21, further comprising
2 substantially the entire upper surface of the extension when in the deployed position
3 being generally located a predetermined distance below the cotton conveying surface of
4 the door.

1 26. (Original) The unloader door arrangement of claim 25, wherein the upper surface
2 of the extension comprises a movable belt.

1 27. (Original) The unloader door arrangement of claim 26, further comprising a drive
2 for rotating the movable belt.

1 28. (Original) The unloader door arrangement of claim 27, further comprising the
2 drive being operable for moving the movable belt at variable speeds.

1 29. (Original) The unloader door arrangement of claim 26, wherein the cotton
2 conveying surface of the door includes movable elements drivable at a speed for
3 conveying the cotton thereover and the drive is operable for moving the belt at a speed
4 greater than the speed of the moving elements on the door.

1 30. (Original) The unloader door arrangement of claim 21, wherein the extension
2 comprises a frame including a plurality of L shape members supporting the extension for
3 the pivotal movement between the stored position and the deployed position and for
4 holding the extension in the deployed position as the door is moved between the folded
5 and open positions.